

MARITRO, TH.

"Expenditure accounts of agricultural cooperatives."

PER BUJQESNE SOCIALISTE., Tirane, Albania., Vol. 13, No. 4, Apr. 1959

Monthly list of EAST EUROPEAN ACCESSIONS (EEAI), LC, Vol. 8, No. 7, July 1959, Unclass

MARITS, A.M.

Reflex effect of the sciatic and vagus nerves on function of the posterior pituitary. *Fiziol. zh. SSSR* 39 no.2:159-166 Mar-Apr 1953. (CLML 24:3)

1. Laboratory of Neural Trophism of the Institute of Physiology imeni I. P. Pavlov of the Academy of Sciences USSR, Leningrad.

MARITS, A. M.
EXCERPTA MEDICA Sec.2 Vol.9/8 Physiology, etc. Aug56

3589. MARITS A. M. Chair of Biol., pedagog. Inst., Kishinev. *Reflex action
from photo-receptors on the activity of posterior lobe
of the pituitary (Russian text) FIZIOL. Z. 1955, 41/6 (814-816)
Graphs 4

The posterior lobe of the pituitary of frogs kept in darkness does not contain vaso-
constrictor substances, as tested by kidney perfusion. After exposure of the
animals to light for 20 to 30 min., pituitary extracts develop marked vasocon-
strictor activity, with a 3- to 10-fold increase of perfusion time for the same vol-
ume of fluid.

Simonson - Minneapolis, Minn.

MARITS, A.M.

Dependence of excitation and inhibition processes in the cerebral cortex in dogs in experimental diabetes. Zdravookhranenie 4 no.6: 34-37 N-D '61. (MIRA 15:2)

1. Iz laboratorii fiziologii zhivotnykh (zav. - prof. A.A. Zubkov)
Instituta zoologii AN Moldavskoy SSR.
(CEREBRAL CORTEX) (DIABETES)

MARITS, A.M.

Method for chronic implantation of electrodes in the rostral section of the reticular formation in dogs. Fiziol. zhur. 40: no. 7: 923-926 J1 '61. (MIRA 15:1)

1. From the Physiological Laboratory, Moldavian Branch, U.S.S.R. Academy of Sciences, Kishinev.
(ELECTROPHYSIOLOGY) (BRAIN)

MAHITS, A.M.

Dependence of the tonus of the reticular formation of the brain stem
to the endocrine functions of the thyroid gland. Fiziol. zhur. 47
no.10:1235-1240 0 '61. (MIRA 15:1)

1. From the Laboratory of Physiology in Animals, Institute of Biology,
Moldavian Department of the U.S.S.R. Academy of Sciences, Kishinev.
(BRAIN) (THYROID GLAND)

SPASSKIY, A.A., otv. red.; YAROSHENKO, M.F., red.; MARITS, A.M.,
kand. biol. nauk, red.; AVERIN, Yu.V., doktor biol. nauk,
red.; PRINTS, Ya.I., red.; KORYAKINA, I., red.

[Papers on neurophysiology] Sbornik po neirofizilogii.
Kishinev, Kartia Moldoveniaske, 1963. 99 p. (MIRA 17:6)

1. Akademiya nauk Moldavskoy SSR. Institut zoologii.
2. Deystvitel'nyy chlen AN Moldavskoy SSR (for Spasskiy,
Prints). 3. Chlen-korrespondent AN Moldavskoy SSR (for
Yaroshenko).

Muller, A.E.

Adrenaline sensitivity of paratracheal reticular formation in normal and thyroidectomized dogs. Fiziol. zhurn. 1964-439. Ap. 1963. (MIRA 1714)

1. Laboratoriya fiziologii i biokhimii zhivotnykh Instituta zoologii AN Molodavskoy SSR, Kishinev.

MARITS, A.M.

Functional interrelationship between the sympathetic-adrenal system
and the reticular formation of the brain stem. Izv. AN Mold. SSR no.5:
67-77 '63. (MIRA 17:1)

MARITS, A.M., doktor biol. nauk, otv. red., SPASSKIY, A.A., akademik.
red.; PRINTS, Ya.I., akademik, red.; YAROSHENKO, M.F., red.
DEGTYAREVA, V., red.

[Physiology and biochemistry of the nervous system] Fizio-
logiya i biokhimiya nervnoi sistemy. Kishinev, Kartia
moldoveniaske, 1965. 181 p. (MIRA 18:12)

1. Akademiya nauk Moldavskoy SSR Institut zoologii. 2. AN
Moldavskoy SSR (for Spasskiy, Prints) 3. Chlen-korrespondent
AN Moldavskoy SSR (for Yaroshenko).

ZAKHAROV, V.I.; SIMONOVA, V.P.; MARITS, N.M.; ABRAMOVA, L.A.; TEREKHOV, B.M.;
PIMONOVA, G.V.

Natural focus and epidemiology of human parasitic diseases in the
Moldavian S.S.R. Zdravookhranenie 2 no.5:28-31 S-0 '59.

(MIRA 13:4)

1. Iz kafedry obshchey biologii i parazitologii (sveduyushchiy -
prof. V.I. Zakharov) Kishinevskogo meditsinskogo instituta.
(MOLDAVIA--PARASITOLOGY)

MARITS, N.M.

Distribution of diphyllobothriasis and opisthorchosis in Moldavia.
Med.paraz.i paraz.bol. 37 no.5:590-591 S-O '59. (MIRA 13:4)

1. Iz kafedry obshchey biologii i parazitologii Kishinevskogo gosudarstvennogo meditsinskogo instituta (zaveduyushchiy kafedroy - prof. V.I. Zakharov).

(DIPHYLLOBOTHRIUM infect.)

(OPISTHORCHIS infect.)

MARITZ, Pal, dr.

Primary cystic tumors of the skull. Orv. hetil. 104 no.4:158-159
27 Ja '63.

1. Budapesti Orvostudományi Egyetem, I. Sebészeti Klinika.
(SKULL NEOPLASMS) (HEMANGIOMA, CAVERNOUS) (DERMOID CYST)
(CYSTS) (RADIOTHERAPY)

MARUPOL'SKAYA, D. A.

"Miniature-Scale Operation in the Aero-dynamics of Exhaust Pipes in Steam Turbines,"

SO: Kotloturbostroy, No. 5, 1948.

Engr., Central Sci. Res. Boiler and Turbine Inst. im. I. I. Polzunov, -cl948-.

MARIUPOL'SKAYA, T.L., professor (Omsk)

Indications and counterindications for koumiss therapy in children.

Pediatrics 39 no.1:53-58 Jan-F '56.

(MLRA 10:1)

(TUBERCULOSIS, PULMONARY, ther.

mare's milk

koumiss, indic. & counterindic. for child.)

(MILK

mare's milk, ther. of pulm. tuberc. in child., indic.
& counterindic.)

MAIARIA KUMISS
ISHTOV, B.; MARIUPOL'SKAYA, T., professor

To the editors of "Pediatriia". Pediatriia 39 no.6:92 M-D '56.
(MALARIA) (KUMISS) (MLRA 10:2)

MARIUPOL'SKAYA, Taisiya Leont'yevna

[Kumiss therapy for children with tuberculosis] Kumysolechanie
detei, bol'nykh tuberkulezom. Moskva, Medgiz, 1959. 92 p.
(MIRA 13:8)

(KUMISS--THERAPEUTIC USE)

(TUBERCULOSIS)

MARIUPOL'SKAYA, T.L., prof.; BISYARINA, V.P., dotsent

Development and duties of the Pediatric Department of Kalinin
Medical Institute in Omsk. Trudy OMI no.25:65-75 '59.

(MIRA 14:10)

(OMSK--PEDIATRICS--STUDY AND TEACHING)

MARIUPOL'SKAYA, T.L., prof.; SKOL'SKAYA, N.O.

Use of prednisone in the compound treatment of toxic forms of
pneumonia in infants. Vop. okh. mat. i det; 6 no; 7:14-18 J1 '61.

(MIRA 14:8)

1. Iz kafedry gospiatal'noy pediatrii (zav. - prof. T.L.Mariupol'skaya)
Omskogo meditsinskogo instituta.

(PNEUMONIA)

(PREGNADIENETRIONE)

MARIUPOL'SKAYA, T.L., prof.

Kumiss therapy for tuberculosis children. Med. sestra 20 no.9:
28-31 S '61. (MIRA 14:10)

1. Iz Omskogo meditsinskogo instituta imeni Kalinina.
(KUMISS) (TUBERCULOSIS) (CHILDREN--DISEASES)

MARIUPOL'SKAYA, T.L., prof.; SKOL'SKAYA, N.O., dotsent; KHASLAVSKAYA, I.N.
vrach.

Results of prednisone and prednisolone treatment of rheumatic
fever in children. Vop.okh.mat. 1 det. 8 no.2:49-54 F'63.
(MIRA 16:7)

1. Iz kafedry gosptal'noy pediatrii (zav. - prof. T.L.
Mariupol'skaya) Omskogo meditsinskogo instituta.
(RHEUMATIC FEVER) (PREGNADIENETRIONE)
(PREGNADIENEDIONE)

MARIUPOL'SKIY, B.R.; SOKOLOV, O.G.

Detection of the source of dysentery following its transmission
in food. Zdrav.Kazakh. 22 no.6:49-50 '62. (MIRA 15:11)

1. Iz Sanitarno-epidemiologicheskoy stantsii No. 8, st. Alma-
Ata I, Kazakhskoy zheleznoy dorogi.
(DYSENTERY) (FOOD--MICROBIOLOGY)

MARIUPOL'SKIY, B.R.

Elimination of infections; apropos the article by Sh. D.
Moshkovskii. Zhur. mikrobiol., epid. i immun. 40 no.6:135-
136 Je '63. (MIRA 17:6)

1. Iz sanitarno-epidemiologicheskoy stantsii st. Alma-Ata,
i Kazakhskoy zheleznoy dorogi.

MARIUPOL'SKIY, G.M., kandidat tekhnicheskikh nauk; FUKSON, M.N., kandidat tekhnicheskikh nauk.

Selection of needle filter parameters for equipment used in lowering the ground water level. Stroi.prom. 33 no.2:14-19 F '55.
(Pumping machinery)(Foundations)(Water,Underground) (MIRA 8:4)

MARIUPOL'SKIY, G.M., redaktor; VORONIN, K.P., tekhnicheskiy redaktor

[Experience in artificially lowering the level of ground water for hydroelectric power station construction] Opyt iskusstvennogo ponizhenia urovnia gruntovykh vod na stroitel'stve gidroelektrostantsii. Moskva, Gos.energ. izd-vo, 1956. 127 p. (MLRA 9:8)

1. Nauchno-tekhnicheskoye obshchestvo stroitel'noy promyshlennosti SSSR.

(Water, Underground) (Hydroelectric power stations)

~~MARTUPOL'SKIY~~, G.M., kand. tekhn. nauk; FUKSON, M.N., kand. tekhn. nauk;
YARTSEV, V.K., kand. tekhn. nauk; PETROVA, V.V., red. izd-va;
STEPANOVA, E.S., tekhn. red.

[Lowering the level of ground water by light needle-filter installations and ejector needle-filters; a manual of instructions] Poni-zhenie urovnia gruntovykh vod legkimi iglofil'trovymi ustanovkami i eshektornymi iglofil'trami; instruktsiia-posobie. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1958.
109 p. (MIRA 11:7)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut osnovaniy i podzemnykh sooruzheniy.
(Water, Underground) (Pumping machinery)

MARIUPOL'SKIY, G.M.

Theoretical principles and calculations of hydromechanical
and electroosmotic vacuum techniques to be used for removing
seepage in lowering the water table. [Trudy] NIIOSP no.35:
5-29 '59. (MIRA 12:12)
(Water, Underground) (Vacuum pumps)

MARIUPOL'SKIY, G.M.; FUKSON, M.N.

Investigating and working out parameters and designs of
LIU well-point units. [Trudy] NIIOSP no.35:57-74 '59.
(MIRA 12:12)
(Water, Underground) (Pumping machinery)

MARIUPOL'SKIY, G.M.; ARUTYUNYAN, R.N.; DEGTYAREV, B.M.

Using vacuum techniques in draining and stabilizing soils. Osn.
fund.i mekh.grun. 2 no.2:3-5 '60. (MIRA 13:8)
(Soil stabilization)
(Drainage)

MARIUPOL'SKIY, G.M., kand. tekhn. nauk; YARTSEV, V.K., kand. tekhn. nauk;
MITROFANOV, N.S., mlad. nauchn.sotr.; PETROVA, V.V., red. izd-va;
OSENKO, L.M., tekhn. red.

[Instructions for laying sewer pipes in water-saturated soil by a rapid production-line method] Ukazaniia po sooruzheniiu kanalizatsionnykh truboprovodov v vodonasyshchennykh gruntakh potokhnoskorostnym sposobom. Moskva, Gos. izd-vo lit-ry po stroit., arkhti. i stroit. materialam, 1961. 73 p. (MIRA 14:8)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut osnovaniy i podzemnykh sooruzheniy.

(Sewer--Pipes)

MARIUPOL'SKIY, G.M.

Let's improve land drainage methods in construction. Ozn.,
fund.i mekh.grun. 4 no.2:1-2 '62. (MIRA 15:8)
(Drainage)

MARIUPOL'SKIY, G.M.

Basic parameters of systems for lowering the water level and a
method for standard calculations. [Trudy] NII osn. no.48:
5-37 '62. (MIRA 16:8)
(Water, Underground)

SOKOLOV, N.M., doktor tekhn. nauk; MARIUPOL'SKIY, G.M., kand.
tekhn. nauk; SOROCHAN, Ye.A., kand. tekhn. nauk; FUKSON,
M.N., kand. tekhn. nauk; YEFREMOV, M.G., kand. tekhn.
nauk, retsenzent; ZHURAVLEV, B.A., red.; SHEVCHENKO, T.N.,
tekhn. red.

[Foundation engineering] Osnovaniia i fundamenty. [By] N.M.
Sokolov i dr. Moskva, Gosstroizdat, 1963. 295 p.
(MIRA 16:12)

(Foundations)

MARIUPOL'SKIY, G.M.

Conference on water level lowering for building purposes.

Osn., fund. i mekh. gran. 5 no.4:29-30 '63.

(MIRA 16:11)

CHERESHNEV, V.A., red.; SOKOLOV, N.M., doktor tekhn. nauk, red.;
MARIUPOL'SKIY, G.M., kand. tekhn. nauk, red.

[Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat. Pt.3. Sec.B. ch.3. [Open water discharge and the artificial lowering of the level of ground waters; regulations governing the performance and acceptance of work] Otkrytyi vodootliv i iskusstvennoe ponizhenie urovnia gruntovykh vod; pravila proizvodstva i priemki rabot (SNiP III-B. 3-62). 1963. 11 p.

(MIRA 17:3)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosstroy SSSR (for Chereshev). 3. Mezhdomstvennaya komissiya po peresmotru Stroitel'nykh norm i pravil (for Sokolov). 4. Nauchno-issledovatel'skiy institut osnovaniy i podzemnykh sooruzheniy Akademii stroitel'stva i arkitektury SSSR (for Mariupol'skiy).

MARIUPOL'SKIY. L.G.

Shear testing of soil in studying construction sites of dams
across Sivash from the point of view of engineering geology.
Osn., fund. i mekh. grun. 2 no.5:24 '60. (MIRA 13:9)
(Sivash—Dams)

TROFIMENKOV, Yu.G.; MARIUPOL'SKIY, L.G.

Bored piles as foundations for masts and transmission towers.
Osn. fund. 1 mekh. grun. 6 no.4:15-19 '64. (MIRA 17:12)

GRONOV, N.I., kand.med.nauk; MARIUPOL'SKIY, R.M., ordinator

Treatment of suppurative skin diseases with staphylococcus
antiphagin. Zdrav.Belor. 3 no.10:59-60 0 '57. (MIRA 13:6)
(SKIN---DISEASES)

MARIY, Vasilii Savvich, polkovnik, voyennyi letchik pervogo klassa

Simulated combat flight at night. Vest.Vozd.Fl. no.6:
35-39 Je '60. (MIRA 13:7)
(Flight training)

Mariya
USSR/General Biology - Cytology.

B-2

Abs Jour : Ref Zhur - Biologiya, No 1, 1957, 155

Author : V.D. Myrza, I. Mariya, Varo, I. Mircha, and Varo.

Inst :

Title : On the Problem of the Formation of Embryonic Cells from the Yolk in Birds.

Orig Pub : Nauka v Rumynskoy Narodnoy Respublike, 1953, 2, 57-86.

Abst : The formation of cells from noncellular material of bird's eggs (24 chicken, turkey, and other bird eggs; fixed preparations) was studied. The authors assert that they have succeeded in observing the stages of the transformation of the large globules of the yolk white into cells. The conclusions drawn from the work fully concur with the theoretical premises, results, and conclusions of analogous investigations conducted by O.B. Lepishinskaya.

Card 1/1

KAPLUN, A.I.; MARIYENBAKH, I.A.

Andrei Nikiforovich Voronikhin. Izv.ASIA no.3:174-175
'59. (MIRA 13:6)
(Voronikhin, Andrei Nikiforovich, 1760-1814)

SOKOLOVA-POKROVSKAYA, Z.I.; MARIYENBAKH, I.A.

Outstanding Russian architect. Izv.ASIA no.4:175-176 '59.

(MIRA 13:6)

(Bove, Osip Ivanovich, 1784-1834)

MARIUPOL'SKIY, L.G.

Supporting power of anchor foundations. Gen., fund. i msh.gmn.
7 no.1:14-18 '65. (MIRA 18:4)

CHUDAKOV, Ye.A., akademik, glavnyy redaktor; AKOPOV, S.A., redaktor; ARTOBOL-
LEVSKIY, I.I., redaktor; ACHERKAN, N.S., redaktor; BEKPROZVANNYY, I.M.,
redaktor; GUDTSOV, N.T., redaktor; DIKUSHIN, V.I., redaktor; YEFREMOV,
A.I., redaktor; ZAPOROZHETS, V.K., redaktor; ZIMIN, A.I., redaktor; KA-
ZAKOV, N.S., redaktor; KIRPICHEV, M.V., redaktor; KOVAN, V.M., redaktor;
KONYUKHAYA, Yu.P., redaktor; LIPGART, A.A., redaktor; MALYSHEV, V.A., re-
daktor; MARTENS, L.K., redaktor; MARIYENBAKH, L.M., redaktor; NIKOLAYEV,
G.A., redaktor; ODING, I.A., redaktor; PRON, Ye.O., redaktor; RAMBIN,
L.K., redaktor; RUBTSOV, N.N., redaktor; SAVVIN, M.A., redaktor; SEDUKH-
CHENKO, I.I., redaktor; SERGEYEV, S.V., redaktor; SHAMIN, N.A., redaktor;
SHKLEST, A.N., redaktor; SHUKHAL'YER, L.Ya., samostitel' glavnogo re-
daktora, redaktor; YAKOVLEV, A.S., redaktor.

[Machine construction encyclopedic handbook] Mashinostroenie; entsiklope-
dicheskiy spravochnik. Part 1. [Engineering calculations in machine
construction] Inzhenernye raschety v mashinostroyeni. Moskva, Gos. nauch-
no-tekhn. izd-vo mashinostroyit. lit-ry, Vol. 1. no.1. 1947. 548 p.

(Mechanical engineering)

(MLRA 8:1)

MARIYENBAKH, L. M.

PA 26T51

USSR/Metals
Foundry Practice
Coke

MAR 1947

"A Standard for Foundry Coke," Prof L. M.
Mariyebakh, Dr of Technical Sciences, 4 pp

"Test Insher 1 Tekh" No 3

In May 1940 there was an All-Union Conference in Leningrad which established certain standards for foundry coke: Porosity was not to exceed 35% and it was recommended that certain experiments be conducted to lower this limit to 20 - 25%. Porosity of blast furnace coke has been established at 50 - 75%. This is not good enough, however, for cupola ID 00071

USSR/Metals

(Contd)

MAR 1947

no. The author recommends that a fraction method of standardization be adopted for coke. For example: 50 x 50, 80 x 80, and 120 x 120, and discusses the methods for arriving at these classifications and standards. He also mentions the fact that this standard was once suggested by the Planning Division of the USSR Foundrymen's Association in 1937.

ID

00071

PA 196T61

MARIYENBAKH, L. M., Prof.

usss/Engineering - Foundry, Furnaces, Jnl 51
Processes

"Investigation of the Mechanism and Kinetics of
Fuel Combustion in Cupola," Prof L. M. Mariyen-
bach, Dr Tech Sci, Yu. S. Subarchuk, Cand Tech
Sci

"Izvestiya" No 7, pp 18-23

Attempts to develop the theory of coke burning in
cupola. Expts in Laboratory of Moscow Higher Tech
School and in "Kompressor" and "Perovskiy" plants,
investigated effect of incoming air rate, air
preheating temp and fuel-lump size on variations
1966a

usss/Engineering - Foundry, Furnaces, Jnl 51
Processes (Contd)

in compn and temp of combustion products along
the blank charge of cupola, and on the reaction
rate of oxygen total consumption and reduction
of carbon dioxide, formed during coke burning.

1966a

MARIENBAKH, L. K.

Sovremennyyi vopros ~~ny~~ - protsess [Contemporary cupola process]. Moskva, Moskva, 1952. 400 p.

SO: Monthly List of Russian Accessions, Vol 6 No 4, July 1953

MARITENBAKH, L. M.

USSR/Engineering - Foundry, Processes Feb 52

"Methods for Intensification of the Burning Process in a Cupola," L. M. Maritenbakh, Dr Tech Sci, Yu. S. Sukharchuk, Moscow Evening Mach Bldg Inst, Stalingrad Mech Inst

"Izvestiya" No 2, pp 15-17

Briefly analyzes premises for intensification of cupola process and discusses methods most essential to this effect, namely: increase of air, application of several rows of tuyeres, introduction of pulverized, liquid or gaseous fuel, enrichment of air with oxygen and air preheating.

207244

USSR/Engineering - Foundry, Processes Feb 52
(Contd)

Optimum quantity of oxygen for air enrichment was established at 5-8%. Direct feed of oxygen into cupola is more effective.

207244

MARIYENBAKH, I. M. Prof

PA 233T58

USSR/Metallurgy - Melting, Processes

Jul 52

"Kinetics of the Chemical Reactions of Metallurgical Processes," Prof L.M. Mariyenbakh, Dr Tech Sci

"Litey Proizvod" No 7, pp 12-17

Studies kinetics of chem reactions occurring in melting of metals. Analyzes dependence of velocity of reversible reactions on temp, stating conclusion that with rising of temp of system, in which exothermic reaction proceeds, resulting velocity considerably increases in beginning, sharply decreases to zero near equil and changes its direction with further temp rise, which still further will lead to increase of velocity of endothermic reaction.

233T58

[illegible][illegible]

MARIYENBAKH, L.M., doktor tekhnicheskikh nauk, professor; KITAYEV, B.I.,
professor; doktor tekhnicheskikh nauk, retsenzent; KLETSKIN, G.I.,
kandidat tekhnicheskikh nauk, retsenzent; LUPANOV, B.P., inzhener,
retsenzent; SUDAKIN, Ya.A., inzhener, redaktor; MATVEYEVA, Ye.N.,
tekhnicheskly redaktor.

[Intensifying cupola operation] Intensifikatsiya vagranochnogo pro-
tsessa. Moskva, Gos. nauchno-tekhn.izd-vo Mashinostroit. lit-ry.
1954. 386 p. (MIRA 8:4)
(Cupola furnaces)

MARIYENBAKH, L.M.

BRAVICHEV, V.A., kandidat tekhnicheskikh nauk, dotsent; BRODOVICH, N.V., kandidat tekhnicheskikh nauk; VLASOV, V.I., kandidat tekhnicheskikh nauk, retsensent, redaktor; YEGORNOV, A.N., professor, retsensent, redaktor; ZOBININ, N.P., doktor tekhnicheskikh nauk, professor.; IVANNIKOV, D.G., kandidat tekhnicheskikh nauk, dotsent; KIRKIN, V.G., doktor tekhnicheskikh nauk, professor; KOTOV, O.K. kandidat tekhnicheskikh nauk; MARIYENBAKH, L.M., doktor tekhnicheskikh nauk, professor; MASHONIN, P.A., inzhener, RUBINSHTEYN, S.A., inzhener, RUDOV, M.L. inzhener, YUDIN, D.L., kandidat tekhnicheskikh nauk, dotsent, redaktor; PETROV, N.I., inzhener, retsensent; SIDOROV, S.I., inzhener, retsensent; SOKOLOV, I.G., kandidat tekhnicheskikh nauk, retsensent; BERNSTOVA, Ye.I., inzhener, retsensent; DOBOKHIN, P.N., kandidat tekhnicheskikh nauk, retsensent; HUSTEN, S.L., kandidat tekhnicheskikh nauk, dotsent, redaktor; LARIN, M.N., laureat Stalinskoy premii, professor, doktor tekhnicheskikh nauk, retsensent; SOKOLOV, A.V., inzhener, retsensent; GRUDOV, P.P., laureat Stalinskoy premii, dotsent kandidat tekhnicheskikh nauk, retsensent; DONNER, L.L., inzhener, retsensent; ZOBININ, professor, doktor tekhnicheskikh nauk, retsensent; BELAVENTSEV, N.V., inzhener, retsensent; SYCHEV, B.P., dotsent, retsensent; SHKOL'NIK, L.M., kandidat tekhnicheskikh nauk, retsensent; LOBANOV, D.V., kandidat tekhnicheskikh nauk, dotsent, retsensent, redaktor; MASHONIN, P.A., inzhener, retsensent, redaktor; OBUKHOV, A.V., inzhener, redaktor; BELETSKIY, D.G., kandidat tekhnicheskikh nauk, dotsent, redaktor; ODING, I.A., redaktor; LEVITSKIY, kandidat tekhnicheskikh nauk, dotsent, redaktor; YUDSON, D.M., tekhnicheskii redaktor
(Continued on next card)

BRAVICHEV, V.A., kandidat tekhnicheskikh nauk, dotsent; & others (Card 2)

[Railroad man's technical manual] Tekhnicheskii spravochnik shelesnodorozhnika. Red.kollegiia; V.I. Vlasov. A.N.Egornov, N.P. Zobnin, E.F. Budoi (Glav.red.) A.V.Sokolov. Moskva, Gos.transportnoe shel-dor.izd-vo. Vol. 12 [Processing metals at railroad transport enterprises] Obrabotka metallov na predpriyatiakh shelesnodorozhnogo transporta. Otvet.red. N.P.Zobnin. 1954. 671 p.(MLRA 8:11)

1. Chlen-korrespondent, AN SSSR (for Oding)
(Mechanical engineering)

Mariyenko, L. M.
MARIYENBAKH, L. M.

The importance of fuel quality in utilizing the potentialities of
founding. Lit. proizv. no. 9:7-9 S'55. (MIRA 8:12)
(Founding) (Fuel)

MARIYENBAKH, L.M.

Some problems connected with the development of foundry practices
abroad. Lit.preisv. no.11:29-3 of cover N '55. (MLRA 9:2)
(Founding)

~~MARIYENBAKH~~, L.M., doktor tekhnicheskikh nauk, professor, redaktor;
SIDOROV, V.M., inzhener, redaktor; MATVEYEVA, Ye.N., tekhnicheskii
redaktor

[Metal wares produced by casting; a collection of articles]
Proizvodstvo litoi posudy; sbornik statei. Pod obshchei red.
L.M.Mariyembakha. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.
lit-ry, 1957. 150 p. (MLRA 10:7)

1. Nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy
promyshlennosti. Liteynaya sektsiya.
(Founding) (Kitchen utensils)

KASENKOV, M.A.; ~~MARIYENBAKH~~, I.M., doktor tekhnicheskikh nauk, professor,
retsensent; TEREN'KOV, B.P., kandidat tekhnicheskikh nauk, redaktor;
MATVEYEVA, Ye.M., tekhnicheskiy redaktor

[Forge furnaces; design and operation] Kuznechnye pechi; ustroistvo
i rabota. Izd. 4-oe, ispr. i dop. Moskva, Gos. nauchno-tekhn. izd-vo
mashinostroit. lit-ry, 1957. 319 p. (MLRA 10:4)
(Forging) (Metallurgical furnaces)

MARIYENBAKH, L.. (Doctor of Technical Sciences)

"Present-day Status and Problems in the Technology of Founding" p. 165
in book Modern Trends in the Field of Machine Building Technology: Collection
of Articles, Moscow, Mashgiz, 1957 363 p.

The article presents information on the present status and objectives
of Soviet founding, the availability of raw materials, equipment employed in
Soviet foundries, and describes the techniques employed in making castings
of iron, steel, and nonferrous metals. There are 84 Soviet references.

MARIYENBAKH, L.M.

Conveyer dryer with natural recirculation. Lit.proizv.no.1:4-6
Ja '57. (MLRA 10:3)
(Molding (Founding)) (Coremaking)

MARIYENBAKH, I.M., professor, doktor tekhnicheskikh nauk.

Review of the book edited by A.F. Landa "Metallography and modern
methods of heat treatment of cast iron." Metalloved. i obr. met.
no.4:58-60 Ap '57. (MLRA 10:5)
(Cast iron--Metallurgy)
(Landa, A.F.)

MARIYENBAKH, L.M., doktor tekhnicheskikh nauk; SOKOLOVSKIY, I.O., inzhener.

Use of zircon sand in founding. Lit.proizv. no.7:28-30 J1 '57.

(GIRA 10:8)

(Founding) (Zircon)

SOV/137-57-11-20738

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 11, p 16 (USSR)

AUTHOR: Mariyenbakh, L.M.

TITLE: Development of Smelting Methods in Iron Foundries Prior to the 19th Century (Razvitiye metodov plavki v chugunoliteynom proizvodstve do nachala XIX-go veka)

PERIODICAL: Tr. In-ta istorii yestestvozn. i tekhn., 1957, Vol 9, pp 3-35

ABSTRACT: Ferrous metallurgy and metalworking on the territory of Russia from the most ancient times to the 19th century.
P. N.

Card 1/1

BRILAKH, Mikhail Mikhaylovich; MARIYENBAKH, L.M., prof., doktor tekhn.
nauk, retsentsent; **DUGINA, N.A.,** tekhn.red.

[Control of cupola processes] Regulirovanie vagranochnogo
protsessa. Moskva, Gos. nauchno-tekhn.isd-vo mashinostroit.
lit-ry, 1958. 106 p. (MIRA 12:1)
(Cupola furnaces) (Smelting)

MARIYENBAKH, L.M.

Current tasks in the progress of cupola furnace melting. Lit. proizv.
no.1:1-2 Ja '58. (MIRA 11:2)
(Cupola furnaces) (Foundry machinery and supplies)

MARIYENBAKH L. M.

AUTHOR: None Given

117-58-5-24/24

TITLE: Conference on Construction and Utilization of Casting Equipment (Konferentsiya po konstruirovaniyu i ekspluatatsii liteynogo oborudovaniya)

PERIODICAL: Mashinostroitel', 1958, Nr 5, p 48 (USSR)

ABSTRACT: In December 1957, a scientific-research conference took place in Gor'kiy dealing with the construction and utilization of casting equipment. It was organized by the department of casting of the NTO MASHPROM. At the conference were 900 representatives from machine building plants, casting equipment plants, scientific research institutes, universities, etc. A total of 28 reports were given. I.P. Yegorenko, Candidate of Technical Sciences (NIILITMASH) reported on the actual state and development of the casting technique. P.N. Aksenov, Doctor of Technical Sciences (MAMI) reported on automated lines of sand-blowing moulding. L.M. Mariyebakh, Doctor of Technical Sciences (MVMI) reported on the subject "Mechanized Drying Kilns". G.S. Zelichenko, Engineer (Leningrad Branch of Soyuzprommekhanizatsii) reported on "Automatic Lines of Molding in Casting Shops". A.D. Ginzburg (LF VPTI tyazhmash) reported on a self-constructed automatic machine for the pro-

Card 1/2

117-58-5-24/24

Conference on Construction and Utilization of Casting Equipment

duction of shell moulds. V.N. Bobrov (NIILITMASH) talked about automatic machines for moulding. A.V. Odinekov, Engineer, reported on modern sand blasting devices. G.S. Taburinskiy, Engineer (NIITLITMASH) reported on "Automatic Machines for the Production of Shell Molds and Cores". Z.D. Levin (Plant KATEK) spoke on "Projects and Utilization of Equipment for Mechanized Casting". I.V. Yefimov, Engineer, spoke on "Mechanization and Automation of the Technological Process of Casting with Meltable Models". G.R. Nikol'skiy, Engineer (NIILITMASH) spoke on hydraulic and sand-hydraulic cleaning of castings. B.G. Shpital'nyy (NIILITMASH) talked about the automatic moulding machine Nr 962b4.

AVAILABLE:
Card 2/2

Library of Congress

1. Casting equipment-Development 2. Casting equipment-Application

MARIYENBAKH, L. M.

"Improvement of Melting Agregates and of Melting Processes."

report presented at the Leningrad Regional Conference on Progressive Foundry Practice,
Leningrad, 8-12 Dec 1959.

18(5)

SOV/128-59-3-2/31

AUTHOR: Mariyenbakh, L.M. Doctor of Technical Sciences

TITLE: New Kinds of Cupola Fuel

PERIODICAL: Liteynoye Proizvodstvo, 1959, Nr 3, pp 3-4 (USSR)

ABSTRACT: Ways of improving the quality of cupola fuel were shown by Academician Chizhevskiy in 1930. The production of new foundry fuel on the basis of available lean coals plus 25 to 30% coal-tar pitch was started shortly before the war. To improve the foundry coke supplied to the works in the Urals and in the East, the gas coals in the charge of coke ovens were replaced by leaned coal. Later, it was proved possible to use Ural anthracites with an addition of coal-tar pitch (70-80% anthracite, 10-15% fat coal and 7-10% coal-tar pitch). In order to improve the quality of foundry coke supplied to the works in the European part of the USSR, the author and V.S. Poznanskaya suggested, in 1956, the production of special foundry coke out of coal briquets on the basis of Donets coals.

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18(5)

SOV/128-59-3-2/31

New Kinds of Cupola Fuel

The charge used for making briquets was composed of "T" brand coal (poor in sulfur), some "Zh" brand coal and coal-tar₂pitch. The briqueting pressure amounted to 150 kg/cm². The strength of the briquets was tested by dropping (96%) and by rubbing (59.3%). The briquets were subjected to thermal treatment at 1000°C. The experimental use of the briquets in a cupola 600 mm in diameter permitted to increase the temperature of the metal to 1430-1450°C and the output of the cupola by 20% from 2 to 2.4 tons per hour. The cost of the new briquets is considerably lower than the cost of the foundry coke produced in the Donets basin. Besides, the manufacture of the briquets yields valuable by-products. There are 1 table, 1 photograph and 4 Soviet references.

Card 2/2

18(5)

SOV/128-59-4-4/27

AUTHORS:

Mariyenbekh, L.M., Doctor of Technical Sciences, and
Sukharchuk, Yu.S., Candidate of Technical Sciences

TITLE:

Peculiarities in Cupola Operation With Partial Withdrawal of Gases Through the Hearth and Forehearth

PERIODICAL: Liteynoye Proizvodstvo, 1959, Nr 4, pp 9-10 (USSR)

ABSTRACT:

The high requirements which are made on the quality of cast iron, call for constant research to find ways for its super-heating. Therefore, special attention must be given to a method of super-heating cast iron by a partial derivation of the cupola gases through the hearth and forehearth. If the free furnace charge is activated at the bottom, the combustion zone of the coke is extended, which in turn effects a super-heating of the cast iron and reduces the loss of heat when it runs out into the hearth. This method is used because no additional personnel is needed. The construction of the cupola has to be changed only in so far as a pipe with a slide valve to derive the gases has to be installed above the forehearth. The following

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SOV/128-59-4-4/27

Peculiarities in Cupola Operation With Partial Withdrawal of Gases
Through the Hearth and Forehearth

part of the article examines peculiarities of this method and discusses the conditions which are most suitable to its application. When working with this method, 15-20% of all the combustion materials are led through the hearth and forehearth. The amount of air blown into the cupola can remain the same as usual. As a result, the quantity of air which actually goes through the shaft is reduced and the pressure of the blast is diminished. This effect, however, is compensated by the activation of the bottom layers of the free furnace charge. The conditions are most favorable if the whole volume of the blast and, consequently, the part diverted through hearth and forehearth is increased. The longer the diameter of the cupola and the higher the air consumption, the greater must be the amount of gas diverted through the hearth. The research was carried out in the "Stankokonstrukt-siya" Plant.

Card 2/2

ARTOBOL'EVSKIY, I.I., akademik; KUDRYAVTSEV, P.S., prof.; OGORODNIKOV, K.P.,
 prof.; RZHONSNITSKIY, B.N., kand. tekhn. nauk; DOROGOV, A.A., kand.
 tekhn. nauk; VASIL'YEV, I.G., kand. tekhn. nauk; ISLAMOV, O.I., kand.
 geol.-miner. nauk; LEONOV, N.I., prof.; RADEKOVICH, Ye.A., doktor geol.-
 miner.nauk; KUZNETSOV, B.G., prof.; MARIYENBAKH, L.M., prof.;
 RUBINSHTEYN, M.I., prof.; KALMYKOV, K.P., kand. biol. nauk;
 KONFEDERATOV, I.Ya., prof.; KOZLOV, A.G.; ZUBOV, V.P., prof.;
 IMSHINETSKIY, A.A.; DORFMAN, Ya.G., prof.; SHUKHARDIN, S.V., kand.
 tekhn.nauk; KEDROV, B.M., prof.; DANILEVSKIY, V.V., akademik; SHATSKIY,
 N.S., akademik; BYKOV, K.M., akademik.

Speeches. Vop. 1st. est. 1 tekhn. no.6:111-141 '59.
 (MIRA 12:6)

1.Chlen-korrespondent AN SSSR (for Imshinetskiy). 2. AN USSR
 (for Danilevskiy).
 (Science) (Technology)

CHINAREV, A.; NIKIFOROV, V.; MARIYENBAKH, L., prof., doktor tekhn.nauk;
PANKIN, A., prof., doktor tekhn.nauk

Moscow engineers need a club. WFO no.7:55 Jy '59.
(MIRA 12:11)

1. Predsedatel' Moskovskogo oblastnogo soveta nauchno-tekhnicheskikh obshchestv (for Chinarev). 2. Predsedatel' tekhniko-ekonomicheskogo soveta Moskovskogo (gorodskogo) soveta narodnogo khozyaystva; predsedatel' oblastnogo pravleniya nauchno-tekhnicheskogo obshchestva mashinostroitel'noy promyshlennosti (for Nikiforov). 3. Mashinostroitel'nyy institut; chlen Nauchno-tekhnicheskogo obshchestva mashinostroitel'noy promyshlennosti (for Mariyenbakh). 4. Avtomekhanicheskiy institut, chlen Nauchno-tekhnicheskogo obshchestva mashinostroitel'noy promyshlennosti (for Pankin).

(Moscow--Research, Industrial)

SOV/128-59-10-3/24

18(2,3,4)

AUTHOR: Mariyenbakh, L.M., Doctor of Technical Sciences

TITLE: Foreign Experiences in Using Calcium Carbide for the Melting of Cast Iron

PERIODICAL: Liteynoye proizvodstvo, 1959, Nr 10, pp 10-11 (USSR)

ABSTRACT: The author presents a survey on American (Ref.1) and German (Refs.2-6) publications on the use of calcium carbide for melting cast iron. There are 2 diagrams, 1 graph and 6 references, 1 of which is English and 5 German.

Card 1/1

BUGACHEV, V.M., kand.tekhn.nauk, red.; IVANOV, D.P., doktor tekhn.nauk, nauchnyy red.; RABINOVICH, B.V., kand.tekhn.nauk, nauchnyy red.; MARIYENBAKH, L.M., doktor tekhn.nauk, nauchnyy red.; KRESHCHANOVSKIY, M.S., kand.tekhn.nauk, nauchnyy red.; SMIRNOVA, G.V., tekhn.red.

[Foundry practice; research and experiments] Liteinoe proizvodstvo; nauchno-issledovatel'skie i opytnye raboty. Trudy Vsesoiuznogo soveshchaniia. Moskva, Gos.nauchno-tekhn.isd-vo mashinostroit. lit-ry, 1960. 250 p. (MIRA 13:10)

1. Nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy promyshlennosti. Liteynaya sektsiya.
(Founding)

PHASE 1 BOOK EXPLOITATION

SOV/4543

Mariyenbakh, Lev Mikhaylovich, Doctor of Technical Sciences, Professor

~~Metallurgicheskiye osnovy vagnonnoy protsessy~~
Metallurgicheskiye osnovy vagnonnoy protsessy (Metallurgical Principles of the Cupola Process) Moscow, Mashgiz, 1960. 326 p. 6,000 copies printed.

Ed.: Ya.A. Sudakin, Engineer; Managing Ed. for Literature on Heavy Machine Building: S.Ya. Golovin, Engineer; Ed. of Publishing House: G.N. Soboleva; Tech. Ed.: V.D. El'kind.

PURPOSE: This book is intended for technical personnel in foundries.

COVERAGE: The book reviews metallurgical problems of melting cast iron in cupolas. The melting processes of regular and special cast irons are discussed on the basis of analysis of physicochemical conditions of these processes. Calculations of the compositions of the cupola charge and slag, based on the charge—material balance of the cupola process, are presented. Methods used for producing cupola cast iron with low carbon and sulfur content are described. The author describes methods of using chips in cupolas and the specific features of melting in "metallurgical" cupolas the cast iron to be used in open hearth furnaces. A description of "metallurgical" cupolas with carburizing atmosphere, basic slag, and heated blast is given. No personalities are mentioned. There are 73 references, all Soviet.

~~Card 1/1~~

PLANS & BOOK EXPLOITATION

Ленинград. Политехнический институт

Sovetskoye dostizheniya literaturno-proizvodstva, tselnyy nauchno-tekhnicheskyy konferentsii (Recent Achievements in Pioneering: Transactions of the Scientific and Technical Conference of Schools of Higher Education) Moscow, Mashgiz, 1950. 336 p. Kzrate slip inserted. 4,000 copies printed.

Resp. Ed.: Yu. A. Meikendst, Doctor of Technical Sciences, Professor; **Eds.:** M. G. Girshevich, Doctor of Technical Sciences, Professor, and L. P. Lebedev, Docent; **Managing Ed. for Literature on Heavy Machine Building (Leningrad Department, Mashizh):** Ye. P. Mamonov, Engineer; **Tech. Eds.:** Ye. A. Bludnikovskiy, and L. V. Shchekotina.

PURPOSE: This book is intended for the technical personnel of Cambridge. It may be used by students of the field.

COVERAGE: This collection of articles discusses problems in foundry processes. Individual articles treat the melting of metals and their alloys, mechanization and automation of casting processes, aspects of the manufacture of steel, cast iron, and nonferrous metal castings. No personalities are mentioned. References accompany individual articles.

Recent Achievements in Pounding (Cont.)

6516/LOS

18. Marjumbath, L. N. Investigation of New Types of Fuel-
gas Cupolas 148
19. Goffman, H. V., and P. Ya. Medvedov. New Methods of
Producing Cupola Coke 154
20. Goncharov, I. N. Utilization of the Steel and Cast
Iron Chips in the Industry 159
21. Goulin, E. d. Temperature Regime of the Pouring (at
Casting) of Hydro turbine Blades 165
22. Blitz, V. Ya. Laboratory Methods of Measuring the
Temperature of Molten Metals 169
- IV. PROBLEMS OF SOLID MOLDING
23. Bury, P. P. Dimensional Accuracy of Castings 178
24. Chelintsev, E. D. Generation of Adhesion Forces
Between the Nonmetallic Layer (Pick-Up) and the Casting 183

PHASE I BOOK EXPLOITATION 307/666

Voprosy teorii i literaturnykh protsessov (Problems of the Theory of Founding Processes) Moscow, Mashgiz, 1960. 692 p. 8,500 copies printed.

Sponsoring Agencies: Literaturnye kafedry i otchety Instituta literaturnykh protsessov AN UZSSR; Moskovskogo avtomaticheskogo Instituta AN ANU; Moskovskogo avtomaticheskogo Instituta; Moskovskogo avtomaticheskogo Instituta; Moskovskogo veshnogo mashinostroitel'nogo Instituta; Institut stali i zheleza; Ural'skogo mashinostroitel'nogo Instituta imeni S. M. Kirova; Tsentral'nogo nauchno-issledovatel'skogo Instituta tekhnologii i mashinostroyeniya.

Reviewers: A. A. Brikhov (Head, Department of Founding, Gorkiy Polytechnical Institute), A. Ye. Krivosheyn (Head, Department of Founding, Dnepropetrovsk Polytechnic Institute), and I. Pribl (Head, Department of Founding, Higher School of Mining, Ostrava, Czechoslovakia); M. I. Editorial Board: P. I. Vasilevsky, A. A. Zhukov, M. I. Koshnev, L. S. Konstantinov, and Ye. C. Polyanov; Managing Ed. for Literature on Heavy Machine Building: S. Ya. Golovin; Ed. of Publishing House: Yu. L. Markis; Tech. Ed.: A. P. Uvarova.

PURPOSE: This book is intended for technical personnel of the founding industry.

COVERAGE: This book on founding theory is the result of the joint efforts of metallurgical departments of various schools of higher technical studies and scientific research institutes. Theoretical studies and the scientific research in this field of founding are summarized and discussed in this volume (first of a planned series) is devoted to a number of important theoretical problems of founding dealing with molding, melting, pouring, solidification of casting, the machinery used, and automation. The terminology used in founding is also given. No personalities are mentioned. Each chapter is accompanied by references.

Ch. I. Properties of Molten Materials (P. P. Brik)	5
Ch. II. Methods of Producing Molten Mixtures with Given Founding Properties (A. M. Lyasa)	29
Ch. III. Theoretical Principles of Processes of Developing the Molten Strength of Mixtures with Water Glasses (A. M. Lyasa)	70
Ch. IV. Chemical Hardening of Molds and Cores (The CO ₂ -Process) (P. P. Brik, S. Yu. Fygel'son)	93
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Ch. VII. On the Theory of Melting Metals (L. I. Levi)	253
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Ch. XI. Solidification of Castings in Sand Molds and the Formation of Shrinkage Porosity (L. M. Rumanin)	482
Ch. XII. On the Theory of Casting Machinery (L. M. Rumanin, M. M. Bogdanov, L. Z. Zakharenko, V. M. Orlov, and S. Z. Stolyov)	533
Ch. XIII. Automation of Founding Processes (M. P. Zhurov, and Yu. P. Poruchikov)	585
Ch. XIV. On the Scientific Terminology (A. A. Gorshkov)	628
AVAILABLE: Library of Congress (23230.76)	
Card 8/8	

1-12-61

МАШИНОСТРОЕНИЕ

S/137/62/000/001/010/237
A060/A101

AUTHOR: Mariyenbakh, L.M.

TITLE: Metallurgical features of the production of magnesium-modified cast iron

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no. 1, 1962, 27, abstract 1V192 (V sb. "Novoye v liteyn. proiz-ve. no. 3", Gor'kiy, 1960, 3 - 10)

TEXT: The globular form of graphite in cast iron is attained by treating the cast iron with Mg, and also with Ce, Li, and certain other alkaline earth metals. Because of economic considerations, however, Mg has obtained almost the exclusive widespread use. The minimum content of residual Mg in cast iron ensuring a total globularization of the graphite depends on the quantity of Si and C in the cast iron. In alloying the cast iron with elements active with respect to Mg, the quantity of Mg admixed should be increased. For unalloyed gray iron the required quantity of residual Mg is usually 0.04%. Ti, Al, Pb, Sb, As, Bi, Sn have a deleterious effect upon the quality of Mg-modified cast iron. Their deleterious effect becomes apparent in the presence in cast iron of (in %): Ti 0.03,

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Metallurgical features ...

S/137/62/000/001/010/237
A060/A101

Al 0.2 and Pb 0.008. At the usual content of 0.04% residual Mg in the cast iron, the presence of 0.08% Ti, 0.3% Al, 0.01% Pb is sufficient to obtain up to 50% flaky graphite, and the presence of 0.12% Ti, 0.45% Al, 0.012% Pb lead to the formation of practically only flaky graphite. The action of all deleterious impurities may be neutralized by introducing into the cast iron small admixtures of Ce in addition to Mg. The following cast irons smelted in cupola furnaces in the USSR are recommended: mark JK (LK) hematite, class A (up to 0.1% P), group I (0.5-0.9% Mn) according to GOCT (GOST) 4832-49, cast irons mark KK (up to 0.14% P and 0.2-0.6% Mn), marks KD1 and KD2 (KD1 and KD2) (up to 0.15% P and 0.1-0.5% Mn), mark B-2 (B-2) with a minimum Mn content. Successful experiments in the use of basic slags in cupola furnaces are mentioned. The author concludes by describing foreign and domestic techniques of introducing the Mg into the cast iron.

A. Pokhvisnev

[Abstracter's note: Complete translation]

Card 2/2

MARIYENBAKH, L.M.; SHAPIRO, A.M.

Calculating machine for the estimate of thermal conditions
in cupola furnaces. Lit. proizv. no.9:25-28 S '60.

(MIRA 13:9)

(Cupola furnaces)

(Calculating machines)

DODIN, Yakov L'vovich; ~~MARIENBAKH~~, Lev Mikhaylovich, prof.;
SOKOLOVSKIY, Lev Osipovich; KLIMOVICH, Yu.G., red.;
PEREDERIY, S.P., tekhn. red.

[New developments in foundry techniques] Novoe v tekhnike li-
teinogo proizvodstva. Pod red. L.M.Marienbakha. Moskva, Vses.
uchebno-pedagog. izd-vo Proftekhizdat, 1961. 231 p.

(Founding)

(MIRA 15:2)

MARIYENBAKH, L.M., doktor tekhn. nauk, prof., red.; BARINOV, N.A.,
kand. tekhn. nauk, dots., red.; OSIPOVA, L.A., red. izd-va;
CHERNOVA, Z.I., tekhn. red.

[Development of the cupola process; proceedings of the third All-
Union Scientific and Technical Conference on the Cupola Process]
Razvitie vagranochnogo protsessa; trudy Vsesoyuznoi nauchno-
tekhnicheskoy konferentsii po vagranochnomu protsessu. Pod red.
L.M.Marienbakha, N.A.Barinova. Moskva, Mashgiz, 1961. 438 p.

(MIRA 15:2)

1. Vsesoyuznaya nauchno-tekhnicheskaya konferentsiya po vagranoch-
nomu protsessu. 3d, 1959.

(Cupola furnaces)

BOGACHEV, I.N.; DUBININ, N.P.; YEGORENKOV, I.P.; ZHUKOV, A.A.; IVANOV, B.G.;
IVANOV, D.P.; MARIYENBAKH, L.M., doktor tekhn. nauk, prof.; MINAYEV,
I.M.; ROZENFEL'D, S.Ye.; SIDEL'NIKOV, S.V.; SOSNENKO, M.N.; YUKALOV,
I.N.; YUDIN, S.B.; RUBTSOV, N.N., doktor tekhn. nauk, prof., red.;
CHERNYAK, O.V., inzh., red. izd-va; MODEL', B.I., tekhn. red.

[Founding handbook; iron founding] Spravochnik liteishchika; chugunnoe
lit'e. Pod obshchei red. N.N.Rubtsova. Moskva, Mashgiz, 1961. 774 p.
(MIRA 14:12)

(Iron founding)

S/128/61/000/001/008/009
A054/A133

AUTHOR: Mariyenbakh, L. M.

TITLE: Moscow Conference of Foundrymen

PERIODICAL: Liteynoye proizvodstvo, no. 1, 1961, 41-42

TEXT: The Foundry Department of the NTO Mashprom held its annual conference in Moscow, from May 23 - 25, 1960. The conference was attended by representatives of 86 plants, 50 technical colleges, and institutes of Moscow and the Moscow Oblast'. I. A. Volosatov reported on two new machines designed by NIILITMASH for large-block pressure casting with horizontal cold compression chamber. Ye. I. Znamenskiy gave an account of the automatic molding line (designed by Orgstankinprom) for small-batch production of small machine parts with a six-position, rotary type molding automatic. O. A. Belikov referred to a hydraulic drive designed by him, which has an efficient stepped regulation for the pump. A. I. Gorskiy reported on the method developed by NIILITMASH for the dynamic calculation of the parts of jar-molding machines. R. L. Geller discussed the new sandslingers of NIILITMASH, M. G. Anuchina (Laboratory MVTU im. Bauman) the application of shell cores

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instead of conventional sand-cores, N. P. Borodina the application of epoxy resins for patterns, as recommended by the Laboratory MVTU im. Bauman. V. M. Senina commented on the technological properties of brown coal wax and its use in pattern compositions (NIILITMASH). O. Yu. Kotsyubinskiy and A. M. Gerchikov (ENIMS) read a paper on the production of cores, M. F. Nikitin (MATI) reported on tests carried out in this institute for the production of machine parts from aluminum-silicium alloys in sand-bentonite mixture molds. O. I. Nikishayeva and Ye. L. Bibikova (MATI) discussed a new method of the degasification of aluminum alloys with hexachlor ethane. A. P. Gudchenko (MATI) commented upon the tendency of aluminum-silicium alloys (with 3 - 8% Si) to show gaseous porosity. P. I. Talanov, N. I. Astafurova, Ye. M. Savitskiy and V. F. Terekhova reported on the modification of iron with cerium, based on tests carried out in Stankin, and on the material of the special commission of GNTK USSR. Yu. P. Yakovlev, Yu. A. Stepanov and G. F. Balandin reported on tests made at the MVTU im. Bauman on the continuous casting of strips with super-cooling. G. F. Balandin, Yu. A. Stepanov, and E. Ch. Gini (MVTU im. Bauman) reported on tests on the crystallization of castings under the effect of vibration and ultrasound on the mol-

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ten iron, with a special vibrator. M. N. Sosnenko gave an account of the tests carried out at the Moskovskiy vechernyy mashinostroitel'nyy institut (Moscow Evening School for Mechanical Engineering) with casting iron and coloured metals in graphite molds. The method is cheap and due to the high heat-conductivity of graphite, the mechanical properties of the metal are improved. F. F. Rezinskikh reported on the joint tests of MAMI and NIITAvtoprom on casting car parts in thin-walled sand-molds; V. V. Kucheruk on dust-free ventilation and hygienic requirements for heating and ventilation in foundries; A. A. Zhukov on tests made at the MVMI in order to establish the effect of silicium, chromium and phosphor on the graphite formation in iron and carbon containing alloys. M. V. Lipov commented on the deoxidation of steel with aluminum (no copper-containing second grade aluminum should be used for this purpose). A. G. Spasskiy and B. A. Fomin referred to investigations made at the "Tsvetmet" Institute on the modification of hyper-eutectoid silumines and on the effect of heat treatment of the smelt on the mechanical properties of aluminum and copper alloys. K. M. Tkachenko gave an account of studies in progress at NIILITMASH to establish the characteristics of zirconium concentrates. D. S. Soskin reported on the work carried out at VNIINMASH for the standardization of ingot molds to promote the mechanization

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and automation of foundries. G. I. Bondarenko reported on a method developed by NIILITMASH to establish the refractory properties of molding materials in vacuum furnaces with cryptol resistance in the course of 5-15 minutes instead of 75 minutes as required by the old method. M. G. Borovik and L. S. Solomon described a method to regenerate black sand and to clarify water used for the cleaning of castings. K. M. Tkachenko reported on investigations carried out by NIILITMASH to test sand for shell molds and cores from the best known deposits and ways to decrease the consumption of bake-lite powder in producing molds. G. N. Kolikov gave an account of the new sand-blast machines of NIITAVtoprom and MAMI for core-making, some of which are already in serial production at the zavod Krasnaya Presnya (Krasnaya Presnya Plant). V. A. Kogan reported on the automatic production line of NIITAVtoprom for small-sized castings, in which ramming is carried out by sand-blasting and pressing method. V. S. Saltykov, B. Z. Chernyak and V. K. Fedotov (TsNIITMASH) reported on investigation results of the effect of the peripheral velocity of the ladle and of the horizontal displacement speed of the sandslinger head on the productivity. A. N. Neymark and Ya. A. Gel'bars reported on work going on at VNIPTUGLEMASH in order to mechanize the sand blowing process in the production of cores for iron-casting from chemi-

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cally solidifying mixtures. The use of thermosetting resins in shell-production was particularly recommended by A. M. Neymark. A. S. Plakkhin referred to the achievements of the Giprostanka in improving the working conditions in foundries. V. G. Tenyakov and V. M. Krapukhin reported on the pipe flange production by centrifugal casting instead of forging them. A. K. Gladkikh (VPTI-LSNKh) gave an account of the modernization of sandslingers, Ye. N. Adamson of casting complex-alloyed bronze alloys in water-cooled ingot molds, I. Ye. Dunayev of pressure casting of steel parts and M. I. Zhebin of the experience of the Stankolit Plant where the drying chambers have been reconstructed and adapted to gas fuelling and forced blast.

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KASENKOV, M.A., kand. tekhn.nauk, dots.; MARIYENBAKH, L.M., doktor
tekhn. nauk, prof., retsenzent; TEBEN'KOV, B.P., kand.
tekhn. nauk, dots., red.; RAGAZINA, M.P., inzh., red. izd-
va; EL'KIND, V.D., tekhn. red.

[Heating arrangements in forges] Nagrevatel'nye ustroistva kuz-
nechnogo proizvodstva. Moskva, Mashgiz, 1962. 472 p.

(MIRA 16:2)

(Forge shops--Equipment and supplies)
(Furnaces, Heating)

ALEKSEYEV, S.A.; BALABIN, V.V.; BARBASHIN, N.N.; GORSHKOV, A.A.;
ZHAROV, N.T.; MARIYENBAKH, L.M.; RUBTSOV, N.N., doktor tekhn.
nauk, prof.[deceased]; SERGEYEV, V.S.; SOSNENKO, M.N.; PROLOV,
V.V.; KONSTANTINOV, L.S., kand. tekhn. nauk, red.; CHERNYAK,
O.V., red. izd-va; UVAROVA, A.F., tekhn. red.; TIKHANOV, A.Ya.,
tekhn. red.

[Fondryman's handbook; general information on founding] Spravochnik
lit'eishchika; obshchie svedeniia po lit'iu. [By] S.A. Alekseyev
i dr. Pod obshchei red. N.N. Rubtsova. Moskva, Mashgis, 1962.
524 p.

(MIRA 16:1)

(Founding—Handbooks, manuals, etc.)

MARIYENBAKH, L.M.; SUKHARCHUK, Yu.S.

Technological prerequisites for introducing automatic control of
the cupola process. Lit.proizv. no.3:1-4 Mr '62. (MIRA 15:3)
(Cupola furnaces) (Automatic control)

MARIYENBAKH, L. M., doktor tekhn. nauk, prof.; SHAPIRO, A. M., inzh.

Control computer for overall automation of cupola processes.
Vest. mashinostr. 42 no.10:64-70 0 '62.

(MIRA 15:10)

(Electronic calculating machines)
(Cupola furnaces)

MARIYENBAKH, L.M.

Foundry practice in Austria. Lit. proizv. no.5:46-48 My '62.
(MIRA 16:3)
(Austria—Founding)

MARIYENBAKH, L.M., doktor tekhn. nauk, red.; OSIPOV, L.A., red. izd-
va; EL'KIND, V.D., tekhn. red.

[Expanding the production of malleable cast iron] Rasvitie
proizvodstva kovkogo chuguna; trudy. Moskva, Mashgiz,
1963. 358 p. (MIRA 16:10)

1. Vsesoyuznaya konferentsiya po teorii i praktike proizvod-
stva otlivok iz kovkogo chuguna, 3d. 1960.
(Cast iron--Metallurgy)

MARIYENBAKH, L.M., doktor tekhn.nauk, prof.; DOLOTOV, G.P., inzh.

Using natural gas for smelting cast iron. Vest.mashinostr. 43
no.8:65-70 Ag '63. (MIRA 16:9)
(Cast iron—Metallurgy) (Gas, Natural)

MARIYENBAKH, L.M., doktor tekhn. nauk, prof.

The Eighteenth All-Union Scientific Technical Conference of
Foundry Workers. Vest. mashinostr. 43 no.10:88-89 0 '63.
(MIRA 16:11)

MARIYENBAKH, I.M.; CHERNYI, A.A.

Optimal shape of the inside of cupolas. Lit.proizv. no.7:6-10
Jl '64. (MIRA 18:4)

MARIYENBAKH, L.M.; BARBASHIN, N.N., kand. tekhn. nauk, dots.,
retsenzent; TALANOV, P.I., prof., red.

[Foundry furnaces] Pechi v liteinom proizvodstve. Izd.2.,
dop. i perer. Moskva, Mashinostroenie, 1964. 355 p.
(MIRA 17:12)

MARIYENBAKH, L.M., doktor tekhn. nauk, prof.; TALANOV, P.I.,
prof., red.

[Furnaces in foundry practice; an atlas] Pechi v liteinom
proizvodstve; atlas. Moskva, Mashinostroenie, 1965. 80 p.
(MIRA 18:7)